



# Hi-Nutra<sup>®</sup> PLUS



## Instantized Calf Milk Replacer

Sav-A-Caf<sup>®</sup> Hi-Nutra<sup>®</sup> PLUS is an instantized milk replacer to be fed to herd replacement calves from the second day of age until weaning. Contains a source of live (viable) naturally occurring microorganisms.

**NOTE ON NEWBORN CALF CARE:** Ideally, a newborn calf should receive fresh colostrum from its own mother for the first 24 hours of life, before being fed milk replacer. Colostrum is the first milk from the cow following birth, providing nutrients, growth factors, and immune globulin proteins that are crucial to the health and growth of the calf. Colostrum must be fed as soon as possible after birth for maximum absorption of maternal antibodies in the newborn. If there is not enough high-quality colostrum available, refrigerated or frozen colostrum may be substituted. If no stored colostrum is available, use **Sav-A-Caf<sup>®</sup> Colostrum Supplement** or **Ultra Start<sup>®</sup> Colostrum Supplement** according to package directions.

**Please note:** The 9 pound size is available both in the Sav-A-Caf<sup>®</sup> Newborn Calf Pac<sup>™</sup> and as an individual product in a carton of 4 bags (one 9 lb bag feeds one calf for one week).

### FEATURES AND BENEFITS

- Quality milk proteins and plasma for optimal digestibility and performance.
- 20% protein, 20% fat, 0.10% fiber.
- Contains our exclusive blend of functional proteins, probiotic complex sugars and beneficial bacteria to support enteric health.
- Fortified with all essential vitamins and minerals as recommended by the *National Research Council*.
- Formulated with easily absorbable organic trace minerals, including selenium, as well as elevated levels of key antioxidant vitamins to support the calf's immune system.
- Exclusive *Magic Crystal<sup>®</sup>* technology produces milk replacer that mixes easily and stays in suspension.



### PRODUCT CODE AND DIMENSIONS

PRODUCT CODE	SIZE & CASE PACK	CASES / BAGS PER PALLET	UNIT UPC 616368-	CASE UPC 00616368-	UNIT DIMENSIONS	CASE DIMENSIONS
01-7531-0220	4 x 9 lb re-sealable bags	42	531232	531249	13.5"x5.5"x17.5"	18"x12"x12.5"
01-7531-0125	25 lb paper bag (ea)	80	531065	N/A	15"x3.5"x31"	N/A
04-7531-3021 Newborn Calf Pac <sup>™</sup>	2 x 10.75 lb boxes	36	531621	531638	6.75"x12.25"x12"	12.5"x14.5"x12.75"

### INGREDIENTS

Dried whey, dried whey protein concentrate, animal fat (preserved with BHA, BHT, citric acid & ethoxyquin), dried whey product, dried animal plasma, calcium carbonate, yeast primary dehydrated and brewer's dried yeast, dried skimmed milk, maltodextrin, sodium silico aluminate, dicalcium phosphate, artificial flavor, L-lysine, L-ascorbyl-2-polyphosphate, ferrous sulfate, vitamin E supplement, magnesium sulfate, choline chloride, dried *Bacillus licheniformis* fermentation product, dried *Bacillus subtilis* fermentation product, selenium yeast, brewer's dried yeast, zinc sulfate, vitamin A supplement, manganese sulfate, vitamin D<sub>3</sub> supplement, copper sulfate, calcium pantothenate, DL-methionine, ascorbic acid, niacin supplement, thiamine mononitrate, riboflavin supplement, menadione sodium bisulfite complex (source of vitamin K activity), vitamin B<sub>12</sub> supplement, biotin, pyridoxine hydrochloride, silicon dioxide, calcium iodate, folic acid, cobalt sulfate.

### GUARANTEED ANALYSIS

Crude Protein, minimum.....	20.00%
Crude Fat, minimum.....	20.00%
Crude Fiber, maximum.....	0.10%
Ash, maximum.....	10.00%
Calcium, minimum.....	0.75%
Calcium, maximum.....	1.25%
Phosphorus, minimum.....	0.70%
Albumin protein, minimum.....	2.30%
Globulin protein, minimum.....	1.10%
Vitamin A, minimum.....	30,000 IU/lb
Vitamin D <sub>3</sub> , minimum.....	10,000 IU/lb
Vitamin E, minimum.....	150 IU/lb
Total bacteria*, minimum.....	30,000,000 CFU/oz

\**Bacillus licheniformis*, *Bacillus subtilis*.

Rev0509



# Hi-Nutra<sup>®</sup> PLUS



## Instantized Calf Milk Replacer

### MIXING DIRECTIONS

Using the plastic cup enclosed in the bag, add one level cup of Sav-A-Caf<sup>®</sup> Hi-Nutra<sup>®</sup> PLUS powder to 2 quarts of warm (115-120° F) water and mix thoroughly with a wire whisk. The enclosed measuring cup holds approximately 10 ounces by weight of dry powder, equal in volume to 2-3/4 standard dry kitchen cups. When feeding more than one calf, mix 1-1/4 pounds of dry powder per gallon of warm water. Please see the following table for feeding schedule.

**IMPORTANT - Individual animals vary in requirements.** Adjust the amount of milk replacer fed according to the calf's body weight and appetite, the environmental conditions, and your own good judgment. In general, animals require more feed during cold weather (ambient temperature below 40° F) to maintain body weight and stay healthy. When in question about nutrition requirements please consult with your animal nutritionist or veterinarian.

### FEEDING INSTRUCTIONS

AGE OF CALF	FEEDINGS PER DAY	AMOUNT OF MILK REPLACER PER FEEDING
<b>BIRTH TO 24 HOURS</b>	NO MILK REPLACER– FEED ONLY COLOSTRUM. 2 to 3 feedings of colostrum, with the first feeding as soon as possible after birth (within 2 hours preferred), and subsequent feedings 6 to 8 hours apart.	For large breed dairy calves, feed 3 to 4 quarts colostrum per feeding. For beef and small breed dairy calves, feed 2 quarts colostrum per feeding.
<b>DAY 2 UNTIL WEANING</b>	2 feedings milk replacer day.	For large breed dairy calves, feed 2 to 3 quarts milk replacer. For beef and small breed dairy calves, feed 1-1/2 to 2-1/2 quarts milk replacer.

### CALF MANAGEMENT TIPS

#### AT CALVING

Remove dairy calves immediately after birth to a clean, well-bedded area away from the mother. Dry the calf, then saturate the umbilical cord in a 7% iodine solution. Feed colostrum as soon as possible after the calf is born.

#### COLOSTRUM HANDLING AND FEEDING

Always clean the udder thoroughly before milking and collect colostrum into a clean container. Feed the calf only clean, fresh colostrum that is free from blood, manure, or chunky material. Measure the quality of the colostrum with a colostrometer whenever possible and set aside lower quality colostrum for feeding on days 2 to 3. Stored colostrum must be chilled immediately after collection to slow bacterial growth. Discard any unused refrigerated colostrum after 1 week, and any unused frozen colostrum after 6 months. Warm cold or frozen colostrum gently over a warm water bath (excessive heat can damage the proteins).

Feed colostrum to the calf in a nipple bottle, or use an esophageal tube feeder if the calf will not drink voluntarily. Continue to feed colostrum for the first day of life, then transition to calf milk replacer on day 2. If high-quality colostrum is in short supply or is not available, feed Sav-A-Caf<sup>®</sup> Colostrum Supplement, or Ultra Start<sup>®</sup> Colostrum Supplement according to label directions. Calves that do not receive colostrum may scour easily.

#### CALF STARTER AND WATER

Fresh, clean water and high-quality calf starter should be available to the calf free choice at all times beginning on day 2 or 3. Offer small amounts of fresh calf starter daily. Feed and water pails should be dumped and scrubbed regularly to prevent bacterial growth - at least 2 to 3 times per week or more often if they become contaminated with urine or manure.

#### SCOURS AND PNEUMONIA IN CALVES

For calves with scours (diarrhea), add 1 to 2 feedings of **Sav-A-Caf<sup>®</sup> Electrolytes PLUS** in between milk replacer feedings to help maintain hydration. If your calf is showing signs of pneumonia or other respiratory disease (labored breathing, nasal discharge, coughing, etc.), consult with your veterinarian. **NOTE: Dehydration can be very serious. Contact your veterinarian if scours worsen or do not improve within a few days, or if the calf becomes visibly dehydrated.**

#### WEANING

Most healthy calves can be weaned from liquid milk replacer at 6 to 8 weeks of age, provided they are in good physical condition and are consuming at least 2 pounds of a good quality calf starter each day. Remember that individual animals vary in requirements. Adjust amounts according to your own good judgment, and consult with a veterinarian if you have questions regarding nutritional requirements.

The suggestions listed above are only suggestions and are not to be interpreted as a substitute for having a veterinarian or qualified animal nutritionist provide recommendations. The reader's implementation of the above suggestions are exclusively the reader's decision. Milk Products Inc. makes no warranties, express or implied, regarding these suggestions. The reader agrees that Milk Products Inc. shall have no liability in connection therewith.